DOCUMENT RESUME

ED 264 874 IR 051 384

AUTHOR Ryan, Joe
TITLE Facsimile Transmission Use in Libraries.
PUB DATE 84
NOTE 21p.
PUB TYPE Reference Materials - Bibliographies (131)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS *Facsimile Transmission; *Information Dissemination; Information Networks; *Interlibrary Loans; *Libraries; *Use Studies
IDENTIFIERS *Document Delivery

ABSTRACT

Facsimile is an electro-mechanical system for transmitting and receiving images. Libraries began to take an active interest in using facsimile equipment in the latter part of the 1960s. Since that time, telefacsimile has been used by libraries primarily as a method of reducing document delivery time between cooperating interlending institutions. This bibliography focuses on the use of telefacsimile equipment within libraries. Also included are selected documents relating to business use or technical specifications as deemed relevant. Other forms of document delivery or electronic mail are not included. Journal articles, books, conference proceedings, and technical reports are included in this 192-item bibliography which is arranged alphabetically by author. A selected subject and geographic index are included. (THC)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

FACSIMILE TRANSMISSON USE IN LIBRARIES

U.S. DEPARTMENT OF EDUCATION
OERI
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
X This document has been reproduced as received from the person or organization originating it.
☐ Minor changes have been made to improve reproduction quality.
• Points of view or opinions stated in this document do not necessarily represent official position or policy.

by

Joe Ryan
University of Vermont
Bailey/Howe Library
Burlington, VT 05405

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY
Joe Ryan
TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

ED264874

Facsimile (telefacsimile or fax used interchangably) is an electro-mechanical system for transmitting and receiving images invented in the mid 1800s. Practical uses of this technology were developed in the 1920s and 1930s. Libraries began to take an active interest in using facsimile equipment in the latter part of the 1960s. Telefacsimile has been used by libraries primarily as a method of reducing document delivery time between cooperating interlending institutions.

The focus of this work is on the use of telefacsimile equipment within libraries. Also included are selected documents which relate to business use or technical specifications as deemed relevant. Not included are other forms of document delivery or electronic mail.

Major studies of facsimile transmission in libraries have been done by Saffady(156) and Boss(18). Recently an international directory of facsimile installations was introduced: FAX/NET Electronic-Mail Source Directory. Minneapolis, MN: Perimeter Press, twice a year. ISBN: 0-930481-01-1.

The following journal articles, books, conference proceedings and technical reports were gathered from a variety of sources including: Computer and Control Abstracts, Education

IR051384

Resources Information Center(ERIC), Information Science Abstracts, Library and Information Science Abstracts(LISA) and Library Literature. The arrangement of the bibliography is alphabetic by author with a selected subject and geographic index included at the end.

1. Adams, Scott. "Facsimile for federal libraries." Special Libraries, 44, 1953, pps. 162-72.

2. Alexander, Tom. "Lots of talk, not enough fax." Fortune, 87, February 1973, pps. 122-26, 129-30, 134.

3. Algermissen, Virginia et al. "Subminute telefacsimile for ILL document delivery." Information Technology and Libraries, 1, 3, September 1982, pps. 274-275.

4. Anand, H. "Telefacsimile transmission of information in libraries." In Proceedings of the Eighth Annual Canadian Conference on Information Science, Toronto, Ontario, Canada, May 6-10 1980 (Calgary, Alberta, Canada: Canadian Association of Information Science, 1980), p. 23.

5. Aronofsky, J.S. and R. R. Korfhage. "Telecommunications in library networks: A five year project." Journal of Library Automation, 10, 1977, pps. 5-27.

6. Avedon, D.M. "Transmission of information - new networks." Special Libraries, 61, 3, March 1970, pps. 115-18.

7. Axner, David H. "The facts about facsimile." Data Processing, 10, May 1978, pps. 42-9.

8. Bajema, Bruce D. "The new technology and/or uses of old technology." Paper presented at the American Library Association Annual Conference (95th, Chicago, Illinois, July 18-24, 1976). 11pps. (Available from ERIC ED130677, Price - MF01/PC01 Plus Postage.)

9. Barden, Philip. "The transmission of interlibrary loan requests: a review of methods with comments on their use at the British Library Lending Division." Interlending Review, 10, 3, July 1982, pps. 92-96.

10. Barrett, R. and B. J. Farbrother. FAX.: A study of principles, practice and prospects for facsimile transmission in the UK. Boston Spa, Wetherby, West Yorkshire, England (LS23 7BQ): British Library Lending Division, (BLRD report 5257), (ISBN 0-8535013-6-X), November 1975, 47 pps.

11. Barrett, R. Microform and facsimile activities in Japan: A survey of activities in automatic microform storage and retrieval, facsimile transimission and information display in Japan. Boston Spa, Wetherby, West Yorkshire, England (LS23 7BQ): British Library Lending Division, May 1974, 108 pps.

12. Barrett, R. "Microform retrieval and facsimile activites in Japan." Reprographics Quarterly, 7, 4, Autumn 1974, pps. 128-132.

13. Barrett, R. "Prospects for facsimile in information transfer." Reprographics Quarterly, 11, 2, Spring 1978, pps. 11-15.

14. Black, John B. "New information technologies: Some observations on what is." Inspel, 15, 3, 1981, pps. 145-153.

15. Boss, Richard W. "Effective document delivery systems." Bulletin Florida Chapter Special Libraries Association, 16, 1, January 1984, pps 15-25.

16. Boss, Richard W. and Deanna Marcum. "Information technology." Wilson Library Bulletin, 56, 3, November 1981, pps. 206-207.

17. Boss, Richard W. and Judy McQueen. Document delivery in the United States. A Report. Washington D.C.: Council on Library Resources, 1983. (Also available from ERIC ED244626 EDRS Price MF01/PC04 Plus postage.)

18. Boss, Richard W. and Judy McQueen. "High-speed telefacsimile in libraries." Library Technology Reports, 19, 1, January/February 1983, pps. 7-111.

19. Brewer, Roy. "Printing technology, present and future." British Printer, 83, 1, January 1970, pps. 93-98.

20. British Standards Institution. The need for and role of standards in text communication. London, England: British Standards Institution, 1980, 24 pps.

21. Brobst, Paul L. "The subminute digital facsimile explosion," Telecommunications, September 1982 pps. 53-60.

22. Brown, Ronald. "Facsimile for Business." NRCD Bullitin, 6, 3, Summer 1973, pps. 239-243.

23. Bruun, Roy. "Outlook on facsimile systems: Guarded optimism based on solid accomplishments." Infosystems, 20, July 1973, pps. 40-3.

24. Buel, William D. et al. "Explorations on the information seeking style of researchers." In Communication among Scientists and Engineers. Carnot B. Nelson and Donald K. Donald. Lexington, MA: D.C. Heath and Company, 1970. pps. 209-231.

25. Burkitt, A. "Japanese to field test home facsimile system." Electronics Times, 49, September 27, 1979, p. 2.

26. Busha, Charles and John H. Landrum. "Telefacsimile communication with the Xerox Magnavox telecopier in reference and interlibrary loans." A report of a three-month experimental demonstration conducted by the South Carolina State Library Board. Columbia, SC: South Carolina State Library Board, July 1967. (Available from ERIC ED026074)

27. California Community Colleges, Sacramento. Office of the Chancellor. "Facilities sharing questionnaire survey." 1974. (Available from ERIC, ED101810, Price - MF01/PC02 Plus Postage.) Camerass, R. "Viewdata: a practical medium for electronic mail." Viewdata Teletext, 1980, pps.173-184.

28. "Campus document delivery systems to serve academic libraries." Journal of Library Automation, March 1978, pps. 24-31.

29. Cawkell, A.E. Facsimile Machines: A field study of human factors and operational effectiveness. Final Report. Ickenham, England: Citech Ltd, 1983, 47pps. (Available from: British Library Lending Division, Boston Spa, Wetherby, West Yorkshire, England LS23 7BQ BLRD report 5753).

30. Cawkell, A.E. An investigation of commercially available facsimile systems. Boston Spa, Wetherby, West Yorkshire, England (LS23 7BQ): British Library Lending Division, (BLRD report 5719), (ISBN 0-7123-3013-5). 1982, 54 pps. (A modified and abridged version was published as "Facsimile systems." Information Technology and People. 2, 7, November 1982, pps. 167-184.)

31. Clayton, D. "Building centre information services." CIIG (Construction Industry Information Group) Bulletin, 1, 1, October 1970, pps. 13-16.

32. "CONSUL telefacsimile experiment." NELINET Liason, 6, 5, May 1984, pps. 9-10.

33. Cooley, A.G. "Facsimile." In Radio Engineering Handbook. Ed. Keith Henney. NY: McGraw Hill, 1959.

34. Costigan, Daniel M. Electronic delivery of documents and graphics. NY: Van Nostrand Reinhold, 1978.

35. Costigan, Daniel M. ""Fax" in the home: Looking back and ahead." IEEE Sectrum, 11, 9, September 1974, pps. 76-77, 81-82.

36. Costigan, Daniel M. "Microfacsimile: A status report." Journal of Micrographics, 4, 4, May 1971, pps. 189-199.

37. Costigan, Daniel M. The Principles and practice of facsimile communications. Philadelphia, PA: Chilton Books, 1971.

38. Daval, Nicola, Ed. Prospects for improving document delivery. Minutes of the semi-annual meeting (101st, Arlington, VA, October 13-14, 1982). Association of Research Libraries, 1527 New Hampshire Ave. Washington, D.C. 20036. Also available from ERIC, ED234785. 1983.

39. DeJohn, William. "Telefacsimile in the Pacific Northwest." Interlending Document Supply, 12, 2, April 1984, pps. 52-54.

40. DeJohn, William and Janet Tracy. "Digital facsimile: Columbia Law Library and Pacific Northwest Library Facsimile Network." Library Hi Tech, 1, 3, Winter 1983, pps. 9-14.

41. "Digital facsimile at Denver Public." L. J. Hotline, XII, 11, March 21, 1983, p. 5.

42. Dmitriev, A. Y. "Transmission of scientific and technical information to users via electrical channels of communication." (Peredacha nauchno-takhnicheskoi informatsii abonentam po elektricheskim kanalam svyazi.) Nauchno-Tekhnicheskya Informatsiya, Series 2, 3, 1976, pps. 19-25. (In Russian)

43. "Document delivery systems in ARL libraries," Spec Kit, No. 82, March 1982. Washington D.C.: Systems and Procedures Exchange, Office of Management Studies, Association of Research Libraries.

44. Dougherty, R. M. and L.L. Bloomquist. Improving access to library resources: The influnce of organization of library collection and of user attitudes toward innovative services. Metuchen, NJ: Scarecrow Press, 1974.

45. Downs, Robert B. "Future prospects of library acquistions." Library Trends, 18, 3, January 1970 pps. 412-421.

46. Educational Facilities Labs. Inc. The impact of technology on the library building. N.Y.: Educational Facilities Lab, Inc., 1967, 12pps. (Available from ERIC, ED018147, Price - MF01/PC01 Plus Postage.).

47. Durey, Peter. "Some aspects of reader services in Auckland University Library." Australian Library Journal, 24, 9-10, October-November 1975, pps. 380-384.

48. Endo, T. "Digital facsimile intelligent communications system." Review. Electrical Communication Laboratory (Japan). 32, 6, November 1984, pps. 1058-1066.

49. Engelke, Hans. A survey on telefacsimile use in libraries in the United States. RLMS Micro-File Series, Volume 2. Chicago, IL: American Library Association, Reproduction of Library Materials Section, 1976, 103 pps. (Available from ERIC, ED139387, Price - MF01/PC05 Plus Postage.) 1976.

50. Engelke, Hans. "Telefacsimile use in US libraries." Interlending Review, 6, 2, April 1978, pps. 44-49.

51. Evans, Luther. "Images from the air: The beginnings of ultrafax," Journal of Documentation, 4, 1949, pps. 248-50.

52. Facsimile communication. June 1970-1981 (citations from the NTIS Data Base) Springfield, VA.: National Technical Information Service, 1981, 192pps. (NTIS report. PB82-856964)

53. Facsimile communication. 1975-March, 1982 (citations from the International Information Service for the Physics and Engineering Communities data base). Springfield, Virginia: National Technical Information Service, 1982, 221pps. (NTIS report. PB82-863671).

54. Facsimile communication. 1974-May, 1982 (citations from the International Aerospace Abstracts Data Base). Springfield, Virginia: National Technical Information Service, 1982, 110pps. (NTIS report. PB82-856972).

55. "Facsimile: 1978 overview." Communications News, December 14, 1977, pps. 67-84.

56. "Facsimile systems." Information Technology and People, 2, 7, November 1982, pps. 167-184.

57. Facsimile telecommunication methods, systems and equipment. January, 1975-May, 1981 (Citations from the International Information Service for the Physics and Engineering Communities Data Base) Springfield, VA.: National Technical Information Service, 1981, 102 pps. (NTIS report. PB81-864324).

58. "Facsimile telegraphy and photoelegraphy." Scientific American, 112, June 5, 1915, pps. 571-3.

59. "Facsimile transmission." Advanced Technology/Libraries, 1, 1972, pps. 1-7.

60. "Facsimile transmission." Australian Special Libraries News, 5, 1, January 1972, pps. 1-7.

61. "Facsimile transmission experiments." British Library Research and Development Newsletter, 15, September 1978, pps. 3-4.

62. Farrington, Lawrence A. "Facsimile." In McGraw-Hill Yearbook of Science and Technology. NY: McGraw Hill, 1970 pps. 184-187.

63. "Fast fax experiment in Illinois links multitype library network." Library Journal, April 15, 1984, p. 761.

64. Foreman, G. E. and C. Baldwin. "Evaluation of library servives to rural physician association program students." Bulletin of the Medical Library Association, October 1976, pps. 372-75.

65. Frank, Ronald. "Panel agrees multipurpose terminals coming." Computer World, 11, 25, June 20, 1977, pps. 45, 46.

66. Fussler, Herman H. Research libraries and technology. A report to the Sloan foundation. (Alfred P. Sloan Foundation, New York, N.Y.) (Available from The University of Chicago Press, 5801 Ellis Avenue, Chicago, Illinois 60637 ($5.95)) 1974. Reviewed by: Young, Arthur P. Journal of the American Society for Information Science, 26, 1, January/February 1975, p. 67.

67. Garfield, Eugene. "Document-delivery systems in the information age." Phi Kappa Phi Journal, 63, 3, Summer 1983,pps. 8-10.

68. Geddes, Andrew. "Library automation: An essential service." ALA Bulletin, 61, 6, June 1967, pps. 642-646.

69. Gillman, Peter and Silvina Peniston. Library automation: a current review. London, England: Unilever/Aslib, 1984. 72pps. (ISBN 0-85142-1881).

70. Goehlert, R. "Book availability and delivery service." Journal of Academic Libraries, November 1978, pps. 368-71.

71. Gordon, D. W. "Acquiring full text documents. The information specialist's ongoing problem." in National Online Meeting. Proceedings, New York. April 10-12, 1984, Medford, NJ: Learned Information Inc., 1984.

72. Gosnell, Charles F. et al. "The higher education act of 1965: A symposium." College and Research Libraries, 27, 5, September 1966, pps. 335-353.

73. Goumy, C. and E. Golden. "Telematic services via satellite in Europe." International Satellite Communications, 2, 1, 1984, pps. 13-22.

74. Graham, G.C. and W. T. Myers. "Recent developments in specialized communications papers." Technical Association of the Pulp and Paper Industry(TAPPI), 51, 1, January 1969, pps. 39-50.

75. Gravrand, R. "Telecomunications in France." (Les reseaux de tele-informatique.) OI Informatique, 11, 178, April 1984, pps. 63-70. (In French)

76. Griffin, R. H. "Facsimile network interface." Computer Communications, 4, 5, October 1981, pps. 221-226.

77. Hall, J.J. Facsimile transmission of information and data for the construction industry: FIND final report. London, England: Construction Industry Research and Information Association (CIRIA), September 1971. 20pps.

78. Hall, J.J. FIND: Facsimile Information Network Development: interim report. London, England: Construction Industry Research and Information Association (CIRIA), May 1970. 15 pps.

79. Hall, J.J. FIND (Facsimile Information Network Development). Aslib Proceedings, 22, 5, May 1970, pps. 217-225.

80. Harley, A.J. "Towards the virtual library. The nationwide provision and use of information." ASLIB/IIS/LA Joint Conference Proceedings, Sheffield, England, September 15-19, 1980, London, England: Library Association, 1981. Pps. 163-166.

81. Harvard University, Graduate School of Education. Library technology and architecture. Report of a conference held at the Harvard Graduate School of Education, Office of the Librarian, Longfellow Hall, Cambridge, Massachusetts 02138. 51 pps.

82. Heilprin, Laurence B. "Technology and the future of the copyright principle." Phi Delta Kappan, 48, 5, January 1967, pps. 220-224.

83. Henderson, Madeline M. Compiler. Proceedings of the Conference on Image Storage and Transmission Systems for Libraries. December 1-2, 1969, National Bureau of Standards. Federal Council for Science and Technology, Washington, D.C. Committee on Scientific and Technical Information. Federal Library Committee, Washington, D.C. Lister Hill National Center for Biomedical Communications, Bethesda, Md. (Available from National Technical Information Service, Springfield, Va. 22151 (PB193-692)) 1970. 316 pps.

84. Hennessy, E. et al. "Modern business information Part 1." The Director, 33, 4, October 1980, pps. 66, 68-78.

85. Herner, Saul et al. Evaluation of the use of slow-scan television and telefacsimile. Federal Library Committee, Washington, D.C. Library of Congress, Washington, D.C. National Science Foundation, Washington, D.C. (Also available from ERIC, ED208870, Price - MF01/PC08 Plus Postage and NTIS, Report # PB82-159013) 1980.

86. Heron, David W. and J. Richard Blanchard. "Seven league boots for the scholar? Problems and prospects of library telefacsimile." Library Journal, 91, 14, August 1966, pps. 3601-3605.

87. Heron, D. Telefacsimile in libraries: progress and prospects. UNESCO Bulletin for Libraries, 23, 1, January-February 1969, pps. 8-13.

88. Heron, David W. Waiting for the genie: Some requirements for library telefacsimile. Journal of Academic Librarianship, 4, 5, November 1978, pps. 372-74.

89. Hickey, Thomas. "The journal in the year 2000." Wilson Library Bulletin, 56, 4, December 1981, pps. 256-60.

90. Holdsworth, J. et al. "Fonofax SF: An automatic document transmission system." Proceedings of the conference on The Electronic Office: The London Penta Hotel, London, England, April 22-25, 1980, pps. 105-113.

91. Horrocks, Norman and Valerie A. Tucci. "Dictionary of Facsimile Transmission Technology." American Documentation, 20, 3, July 1969, p. 280.

92. Houghton, Bernard "Scientific journals and natural selection." New Scientist, 68, 980, December 18/25, 1975, pps. 727-728.

93. Jabara, M.D. "Computerised communications and the telecommunications manager." Telecommunications, 14, 10, October 1980, p. 21.

94. Jackson, W.C. "Telefacsimile at Penn State University: a report on operations during 1968-1969." Library Resources and Technical Services, 15, 2, Spring 1971, pps. 223-228.

95. Joannes, V. "Facsimile transmission and electronic mail-two new services: Transfax and Missive." COM 7, 13, May 1982, pps. 19, 21-22, (In French).

96. Johns, Louise. "The next decade: what will it mean to libraries? Satellite communications." Library Service of Western Austraila Newsletter, 123, January-February 1980, pps. 3-4.

97. Jones, C.R. Facsimile. NY: Murray Hill Books, 1949.

98. Josephine, Helen B. "Electronic mail: the future is now." Online, 4, 4, October 1980, pps. 41-43.

99. Kaser, David. Report of the advisory committee on planning for the academic libraries of New York State. Albany, NY: Advisory Committee on Planning for the Academic Libraries, State University of New York, Albany, 1973. 51 pps. (Available via ERIC ED086194)

100. Kaplan, Gadi. "Fax: Specifications and projections," IEEE Spectrum, 11, 9, September 1974, pps. 77-81.

101. Kefford, Brian. "Interlibrary lending around the world--A review of recent papers." Interlending Review, 8, 3, July 16, 1980 pps. 89-93.

102. Kenney, Brigitte L. "Library information delivery systems: Past, present, and future." Drexel Library Quarterly, 17, 4, Fall 1981, pps. 36-64.

103. Kirstein , P.T. Facsimile techniques for on-line computer networks. London, England: University College, Department of Statistics and Computer Science, 1979, 13pps. (Indra Technical Reports TR 79-54). Available from British Library Lending Division, Boston Spa, Wetherby, West Yorkshire, England (LS23 7BQ): (BLRD report 5506).

104. Kirstein, Peter T. University College London INDRA (Internet Display and Remote Access Project) Project. London England: University College, Department of Statistics and Computer Science, 1979, 144pps. (NTIS report. AD-A074489).

105. Lerner, Rita G. et al. Database searching and document delivery via communications satellite. New York: American Institute of Physics, 1980, 84pps. (Available from National Technical Information Service, Springfield, Va. 22151 (PB81-153314).

106. Liu, Rosa. "Telelibrary: library services via satellite." Special Libraries, 70, 9, September 1979, pps. 363-372.

107. MacCafferty, Maxine. Fax and teletext. ASLIB, 3 Belgrave Square, London, England SW1X 8PL. 1977. 77 pps. (ISBN 8-5142-093-1)

108. "Making electronic mail pay off in the 1980's." EMMS, 20, October 15, 1979, pps 1-9.

109. Mallory, R.Patrick. "Future fax: a proposal for document transfer." In Information revolution: proceedings of the 38th ASIS Annual Meeting, volume 12, Boston, Massachusetts, October 26-30, 1975, Charles W. Husbands and Ruth L. Tighe. Washington DC: American Society for Information Science, 1975. pps. 3-4.

110. Management Information Systems Week. Entire issue 3, 43, October 27, 1982.

111. Manning, Josephne. "Facsimile transmission: Problems and potential at the University of Nevada, in Hawaii and at the N. Y. State Library." Library Journal, 93, 19, 1968, pps. 4102-4104.

112. Mannix, R.D. "The effects of technological innovation on users of libraries and information services." in Anthony, L.J. EURIM 4: a European conference on innovation in primary publication-impact on producers and users. Presented by ASLIB, March 23-26, 1980, Palais des Congres, Brussels, Belgium. London, England: ASLIB, 1980. Pps. 75-77.

113. Marshall, Peter. "Plain facts about FAX." Library Association Record, 85, 11, November 1983, pps. 406-407.

114. Martin, S. K. "The impact of technology on interlibrary lending." Interlending and Document Supply, 12, 21, April 1984, pps. 47-51.

115. Martyn, John. "UAP and the new information technologies." UNESCO Journal of Information Science, Librarianship and Archives Administration, 4, 1, January-March 1982, pps. 38-42.

116. Marvin, Carolyn. "The impact of technology on the production and distribution of the news, part 2: delivering the news of the future." in Lancaster, F. Wilfrid. Proceedings of the 1979 clinic on library applications of data processing: the role of the library in an electronic society. Urbana-Champaign, Illinois: University of Illinois, Graduate School of Library Science, 1980. Pps. 36-47.

117. Mason, Charlene, Compiler. "Bibliography of library automation." ALA Bulletin, 63, 9, September 1969, pps. 1117-1134.

118. Massachusetts Institute of Technology. Project Intrex, Semiannual Activity Report, 15 September 1970 - 15 March 1971. Report INTREX-PR11. Cambridge, MA: Massachusetts Institute of Technology, 1971. 88 pps. (Available from ERIC, ED047739, Price MF01/PC04 Plus Postage.)

119. McConnell, Ken R. "Facsimile," in McGraw Hill Encyclopedia of Science and Technology. NY: McGraw Hill, 1982, v. 5, pps. 305-308.

120. McFarlane, M.D. "Digital pictures fifty years ago." IEEE Proceedings, 60, 1972, pps. 768-70.

121. McKean, Joan Maier. "Facsimile and libraries." In Telecommunications and Libraries: A primer for librarians and information managers. NY: Knowledge Industry Publications, Inc., 1981.

122. McKenzie, K.I. and S. Webb. "Scrapbook-a general purpose information handling system." In Proceedings of the conference on The Electronic Office: the London Penta Hotel, London, England, Tuesday 22nd to Friday 25th April 1980. London, England: Institution of Electronic and Radio Engineers, 1980. pps. 241-247.

123. McQuiston, Makala. "A comparison of four modes of transmitting interlibrary loan requests." RQ, 15, 2, Winter 1975, pps. 150-152.

124. Mercure, Gerard and Laval Du Breuil. "Telecopying and interlibrary loans; a recent experiment in the University of Quebec network." (La telecopie et le pre entre bibliotheques; une experience recente dans le reseau de l'Universite de Quebec.) Documentation et Bibliotheques, 25, 1, March 1979, pps. 23-31. (In French)

125. Michalek, J. "Library services to the graduate community: The role of the subject specialist librarian," College and Research Libraries, May 1976, pps. 257-65.

126. Miller, R. H. and J. F. Vallee. "Towards a formal representation of EMS." Telecommunications Policy, 4, 2, June 1980, pps. 79-95.

127. Morchand, Charles A. Preliminary study for an improved information transfer system for metro libraries. Miscellaneous Publication Series, Number 2. N.Y.: New York Metropolitan Reference and Research Library Agency, 1967. 12pps. (Available from ERIC, ED017301, Price - MF01/PC01 Plus Postage.).

128. Morehouse, H. G. Equipment for facsimile transmission between libraries; A description and comparative evaluation of three systems. Reno, NV: University of Nevada Library, December 29, 1967. 30 pps. (Available ERIC ED000475, MF $0.25.)

129. Morehouse, H. G. and R. M. Shoffner. An Experimentation in library application of Xerox LDX facsimile transmission equipment. Phase I: Planning and Analysis. Report CLR-340. Berkley, California(94720): University of California, Institute of Library Research, June 13, 1966. 29 pps. (Available ERIC ED021591)

130. Morehouse, H.G. "The future of telefacsimile in libraries: problems and prospects." Library Resources and Technical Services, 13, 1, Winter 1969, pps. 42-46.

131. Morehouse, H.G. Telefacsimile services between libraries with the Xerox Magnavox telecopier, Council on Library Resources Grant 214. Reno, NV: University of Nevada Library, December 20, 1966. 54 pps.

132. Morozova, E. N. "Some trends in the mechanization of library and bibliographical operations at the state public library for science and technology of the USSR." Libri. International Library Review, 17, 2, 1967, pps. 142-145.

133. Nelson Associates Inc. An evaluation of the New York State library's pilot program in the facsimile transmission of library materials. (Commerce Offset, 657 Commerce Street, Thornwood, New York 10594) 1968. 81 pps.

134. New York State Education Dept. Albany. Div. of Library Development. The 3 R's: Reference and research library resources. 1969. 20 pps. (Available from ERIC, ED032919, Price - MF01/PC01)

135. Niehaus, Carl A. Utilization of telecommunications by academic and school libraries in the United States. Washington, D.C.: National Aeronautics and Space Administration, 1972. 58 pps. (Available from ERIC, ED064901, Price - MF01/PC03 Plus Postage.)

136. Nimmer, Melville B. "New technology and the law of copyright: Reprography and computers." UCLA Law Review, 15, 3, April 1968, pps. 931-1030.

137. Norman, Adrian and A. D. Little. "Electronic document delivery." Oxford, England: Learned Information, 1981 (ISBN 0-904933-29-6).

138. Norman, Adrian. "State of the art of document digitalization." In Proceedings of the workshop on document delivery, Luxembourg, November 26, 1979. Ed. George Van Slype. Brussels, Belgium: Bureau Marcel van Dijk for Commission of the European Communities, Directorate General Scientific and Technical Information and Information Management, 1980. pps. 56-57.

139. Nyren, Karl. "A reference roundup." Library Journal, 92, 8, April 15, 1967, pps. 1582.

140. Oettinger, Anthony G. and Nikki Zapol. "Will information technologies help learning?" In Content and Context. Ed. Carl Kaysen. NY: McGraw Hill, 1973. (Chapter preprint available from ERIC, ED064902, Price - MF01/PC05 Plus Postage.). 1971.

141. Ohlman, Herbert. Communication media and educational technology: An overview and assessment with reference to communication satellites. (Thesis) St. Louis, Missouri: Sever Institute of Washington University May 1971. 252 pps. (Available ERIC, ED053540, Price - MF01 Plus Postage. PC Not Available from ERIC.)..

142. Oppenheimer, Staunton T. "Fax future." Telecommunications, 6, December 1972, pps. 16-17.

143. Overhage, Carl, F.J. "Information networks." In Annual Review of Information Science and Technology. Ed. Carlos A. Cuadra. Chicago IL: Encyclopedia Britannica, Vol. 4, 1969. pps. 339-377.

144. Pan, Elizabeth and Ron Miller. Materials transfer: A report of a pilot document delivery service, November 1969 - June 1970. Syracuse, N.Y.: Five Associated Universities, 1971. 52 pps. (Available from ERIC, ED056721, Price - MF01/PC03 Plus Postage.)

145. Parker, Ralph. A feasibility study for a joint computer center for five Washington, D.C. university libraries. 1968. 44 pps. (Available from ERIC, ED019973, Price - MF01/PC02 Plus Postage.)

146. Penniman, W. David and George W. Tressel. "The effect of transmission techniques on the future of microforms," Drexel Library Quarterly, 11, 4, October 1975, pps. 75-82.

147. Price, S. "Electronic office-metamorphosis and other stories." Business Computing, 4, November 1980, p. 20.

148. "Project HERMES." Communication Technology Impact, 3, 7, October 1981, pps, 10-11.

149. Ready, Keith. The use of facsimile transmission in Virginia. Telecommunications Study Commission, Working Paper No. 18. Richmond, VA: Virginia State Telecommunications Study Commission, 1979. (Available from ERIC, ED183213, Price - MF01 Plus Postage. PC Not Available from EDRS.)

150. Reid, Joseph B. "Reflections on teledocumentation/ Reflexions sur la teledocumentation". In Third open conference on information science in Canada, Quebec, Canada May 8-10, 1975: proceedings. E. Marshal and M. Pare. Ottawa, Canada: Canadian Association for Information Science/L'Association Canadienne des Sciences de l'Information, 1975. Pps. 207-213.

151. Report on remote facsimile duplicator equipment. Camden, N. J. : Radio Corporation of America, 1949.

152. "Research Libraries Group interlibrary loan project funded." Library Hi Tech, January 1984, p. 4.

153. Reynolds, Dennis. "Telefacsimile as a mechanism for document delivery in interlibrary loan." Action for Libraries. Part 1: 10, 3, March 1984, pps. 3-4. Part 2: 10, 4, April 1984, pps. 1-2. Part 3: 10, 5, May 1984.

154. Rice, James. "Fiber optics: a bright information future." Library Journal, 105, 10, May 15, 1980, pps. 1135-1137.

155. Rolph, William "Information systems and communications." The NRMA Annual Conference. Datamation, 18, 2, February 1972, pps. 58-59, 62.

156. Saffady, William. Facsimile transmission for libraries: technology and application design. Library Technology Reports, 14, 5, September/October 1978, pps. 445-531.

157. Saffady, William. "Micrograpgics, reprography, and graphic communications in 1981." Library Resources and Technical Services, 26, 3, July-September 1982, pps. 294-305.

158. Salmon, Stephen R. "The lessons of problems and failures," In The information age: Its development, its impact. Ed. Donald P. Hammer. Metuchen, NJ: Scarecrow Press, 1976. Pps. 210-240.

159. Scharen-Guivel, James H. and A. A. Carlson. "Facsimile: An old technology with a fresh digital outlook." Data Communications, January 1982, pps. 65-74.

160. Schatz, Sharon. "Facsimile transmission in libraries - A state of the art survey. Library Resources and Technical Services, 12, 1, Winter 1968, pps. 5-15. (Available ERIC, ED016492, Price - MF01/PC02 Plus Postage.).

161. Schieber, William D. and Ralph M. Shoffner. Telefacsimile in libraries -- A report of an experiment in telefacsimile transmission and an analysis of implications for interlibrary loan systems. Berkeley, California (94720): University of California, Institute of Library Research, 1968. 139 pps. (Available from ERIC, ED019106, Price - MF01/PC06 Plus Postage)

162. Schmidt-Kunsemuller, F.A. "Technical assistance for instant lending." ("Technische hilfe fir die sofortausleihe.") Zeitschrift fur Bibliothekswesen und Bibliographie, 12, 3, 1965, pps. 183-185. (In German)

163. Schneider, R. "Telematics and long-distance transmission." France Graphique, 398, October 1981, pps. 42-47. (In French)

164. Shiba, T. "Use trends of telefacsimile in enterprises and the reaction of public information organizations to facsimile based on the use trend study done in the Kanagawa Perfecture." Johokanri (Journal of Information Processing and Management), 25, 11, February 1983, pps. 962-968. (In Japanese)

165. Siebel, Kurt. "Facsimile transmission from an automatic file." ("Bildfernubertragung aus der automatischen registratur.") Nachrichten fur Dokumentation, 20, 1, February 1969, pps. 27-29. (In German)

166. Simkin, J. "Facsimile transmission and libraries." Australian Journal, 27, 16, September 15, 1978, pps. 269-270.

167. Simmons, Peter. "Automation in American libraries." Computers in the Humanities, 2,3, January 1968, pps. 101, 113.

168. Smith, E. S. "Modern methods of document delivery." Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists. 28, 3, 1983, pps. 99-109.

169. Solia, E. and P. Zorzin. "Modern techniques in periodical publishing." Graphicus, 62, 9, September 1981, pps. 30-33 (In Italian).

170. Steinbrecher, David. "Facsimile transmits typed/signed messages at low-cost." Word Processing Information Systems, 8, 3, March 1981, pps. 29-30, 32, 34, 57.

171. "Study on alternate format for publishing and distributing research information." Information Hotline, 13, 3, March 1981, pps. 1, 14-19.

172. "Telecommunications for business." Business Systems Equipment, April 1982, pps. 37, 39-40, 43, 45-46, 49-50.

173. Toernudd, Elin. "Interlending by university and research libraries to back automatic data processing information services." ("Tieteellisten kirjastojen kaukopalvelu tietokonepohjaisen informaatiopal-velun tukena"). Kirjastolehti, 72, 10, 1979, pps. 467-469. (In Finnish)

174. Toney, Stephen. "Telefacsimile experiment at The Smithsonian Institution Libraries." Serials Librarian, 7, 2, Winter 1982, pps. 17-26.

175. Tregay, John L. "Microform facsimile transmission." In National Microfilm Association, Compact Efficiency. Proceedings of the /twenty-Second Annual Conference and Exposition, Detroit, Michigan, April 10-13, 1973. Ed. Rita Mass. p. II-328 - II-333.

176. University of Denver, Colorado. Graduate School of Librarianship and Information Management. Telefax Library Information Network. Executive Report. Washington, D.C.: Department of Health, Education, and Welfare, Office of Telecommunications. Grant # HEW-032A-7804-P4041. 1979. (Available from ERIC ED229031, Price - MF01/PC01 Plus Postage.)

177. University of Denver, Colorado. Graduate School of Librarianship and Information Management. Telefax Library Information Network. TALINET II Continuation Grant. Washington, D.C.: Department of Health, Education, and Welfare, Office of Telecommunications. Grant #: HEW-0328-7901. September 1979. (Available from ERIC ED229030, Price - MF01/PC02).

178. University of Denver, Colorado. Graduate School of Librarianship and Information Management. Telefax Library Information Network. Final Report. Washington D.C.: Department of Health, Education, and Welfare, Office of Telecommunications. Grant #:HEW 7804-P4041. July 1979. (Available from ERIC, ED229029, Price - MF01/PC08 Plus Postage.)

179. Vernimb, Carlo. "Digitalized document delivery: a pilot project." In Proceedings of the workshop on document delivery, Luxembourg, November 26, 1979. Ed. George Van Slype. Brussels, Belgium: Bureau Marcel van Dijk for Commission of the European Communities, Directorate General Scientific and Technical Information and Information Management, 1980. Pps. 58-59.

180. Veyette, John H. JR. "Information retrieval systems." Systems, 7, 7, July 1966, pps. 16-18, 44-46.

181. Voos, Henry. "Telecommunications and facsimile." Special Libraries, 72, 2, April 1981, pps. 118-21.

182. Waters, Richard L. "Telefacsimile: an effective document transfer tool?" Serials Librarian, 4, 2, Winter 79, pps. 215-218.

183. Webb, Joseph M. "Rebirth of facsimile: Its nature and consequences." Journalism Quarterly, 48, 1971, pps. 444-501.

184. Webster, Wendy. Facsimile: an overview, with particular reference to libraries and information departments. (thesis) London, England: City University, Centre for Information Science, 1979. 52 pps.

185. Wedgeworth, Robert. "The view from the National Association." Journal of Library Automation, 10, 2, June 1977, pps. 177-180.

186. West, Martha W. and Rowena A. Koch. Interlibrary request and loan study; 1973 Report. (Available from ERIC, ED104423, Price - MF01/PC04 Plus Postage.)

187. Williams, Bernard J.S. "Document reproduction survey." FID News Bulletin, 29, 4, April 1979, pps. 37-40.

188. Williams, Bernard, J.S. "Document reproduction survey." FID News Bulletin, 30, 7/8, July/August 1980, pps. 68-70.

189. Wood, James L. "Document delivery and new technologies." Interlending and Document Supply, 11, 4, October 1983, pps. 127-130.

190. Wood, Norman. Report on a pilot project to consider the appropriateness of the use of facsimile transmission techniques to assist in document transfer procedures between library and information centres. Dublin, Ireland: National Science Council, 1977. 22 pps.

191. York, Henry et al. Evaluation of the CAMLS experimental ILL system. Cleveland, OH: Library Council of Greater Cleveland, ILL Evaluation Task Force, Cleveland Area Metropolitan Library System. September 1978, 17pps. (Available from ERIC, ED168502; HC (01), MF (01).)

192. Zurkowski, Paul G. "Perspectives on the information industry," Bulletin of the American Society for Information Science, 2, 8, March 1976, pps. 28-29.

SELECTED SUBJECT INDEX
(Entries refer to the numbered bibliography entries)

ADONIS 38
ARL(Association of Research Libraries) 38, 43
ARTEMIS 137, 138
Bibliographies 52, 53, 54, 57, 69, 101, 117, 160
Copyright 82, 136, 140, 187
DIALOG-NASA 105
Equipment Surveys and Technical Specifications 16, 18, 48, 52, 53, 54, 57, 74, 76, 88, 100, 110, 156, 157, 165, 170, 187, 188
FIND 77, 78, 79
HERMES 148
History 2, 6, 13, 17, 23, 33, 34, 35, 36, 37, 38, 43, 50, 51, 58, 59, 62, 66, 72, 83, 86, 87, 88, 94, 97, 98, 102, 107, 109, 120, 135, 139, 140, 142, 143, 151, 153, 155, 156, 158, 159, 160, 167, 171, 175, 180, 183, 184, 189
INDRA 103, 104
Introduction 4, 7, 18, 22, 37, 56, 62, 71, 91, 113, 119, 121, 153, 156, 168
Integration with traditional exisiting library functions 8, 28, 44, 46, 68, 70, 81, 92, 106, 112, 123, 125, 139
INTREX 118
Medical 3, 64, 135
NASA 105, 135
Predictions 5, 14, 21, 28, 45, 55, 65, 67, 68, 74, 80, 83, 86, 87, 89, 92, 93, 96, 98, 101, 106, 108, 109, 110, 115, 116, 122, 126, 130, 140, 141, 142, 146, 147, 154, 155, 181, 185, 187, 188, 192
RLG (Research Libraries Group) 38, 152
Special Library 1, 6, 60
TALINET 176, 177, 178
User Acceptance 2, 24, 44
User Surveys 17, 49, 50

GEOGRAPHIC INDEX

(Entries refer to the numbered bibliography entries)

UNITED STATES

California	27, 50, 86, 128, 129, 130, 131, 161, 186
Colorado	41, 176, 177, 178
Hawaii	111
Illinois	63
Maine	32
Massachusetts	32, 81, 118
Michigan	50
Nevada	50, 86, 111, 128, 129, 130, 137
New Hampshire	32
New York	15, 40, 86, 99, 111, 127, 133, 134, 144
Ohio	191
Pennsylvania	94
South Carolina	26
Texas	3, 182
Vermont	32
Virginia	149
Washington	39, 40
Washington D.C.	85, 145, 174

OTHER COUNTRIES

Australia	47, 60, 96, 166
Belgium	179
Canada	4, 124, 150
Finland	173
France	73, 75, 95, 163
Germany	162, 165
Great Britain	9, 10, 13, 19, 20, 29, 30, 31, 61, 69, 77, 78, 79, 80, 84, 90, 103, 104, 107, 113, 114, 172, 184
Ireland	190
Italy	169
Japan	11, 12, 25, 48, 164
U.S.S.R.	42, 132